

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 209235/PRS	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/IB 02/05798	International filing date (day/month/year) 27/12/2002	(Earliest) Priority Date (day/month/year) 31/12/2001
Applicant NOKIA CORPORATION		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

5 _____

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 02/05798

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04Q7/36 H04B1/713 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04Q H04B H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 02 30022 A (ARYYA COMMUNICATIONS INC) 11 April 2002 (2002-04-11) page 2, line 23 -page 3, line 8 page 9, line 19 - line 24 page 11, line 13 - line 29 page 27, line 22 -page 30, line 21 ---	1-4
A	WO 01 47308 A (NOKIA MOBILE PHONES LTD ;SIVAKUMAR TATIKONDA VENKATA LA (JP)) 28 June 2001 (2001-06-28) the whole document --- -/--	1-4



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *8* document member of the same patent family

Date of the actual completion of the international search

17 March 2003

Date of mailing of the international search report

24/03/2003

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 02/05798

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 99 09671 A (SIEMENS AG ;KOCKMANN JUERGEN (DE)) 25 February 1999 (1999-02-25) page 7, line 11 - line 29 page 8, line 9 -page 9, line 11 page 10, line 23 - line 31 page 11, line 31 - line 34 page 12, line 6 - line 17 -----</p>	1-4
A	<p>EP 0 182 762 A (ERICSSON TELEFON AB L M) 28 May 1986 (1986-05-28) page 3, line 17 - line 30 page 4, line 15 - line 25 -----</p>	1-4

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 02/05798

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0230022	A	11-04-2002	AU 1143602 A	15-04-2002
			WO 0230022 A2	11-04-2002
			US 2002061031 A1	23-05-2002
WO 0147308	A	28-06-2001	WO 0147308 A1	28-06-2001
			AU 1885600 A	03-07-2001
			EP 1266534 A1	18-12-2002
WO 9909671	A	25-02-1999	WO 9909671 A1	25-02-1999
EP 0182762	A	28-05-1986	SE 445698 B	07-07-1986
			CA 1252151 A1	04-04-1989
			DE 3565620 D1	17-11-1988
			EP 0182762 A1	28-05-1986
			SE 8405818 A	20-05-1986
			US 4716573 A	29-12-1987